



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

SEP 28 2010

James A. Hewlett, General Manager  
Intermountain Power Agency  
10653 S. River Front Parkway  
South Jordan, Utah 84095

Brian Ipson  
Environmental Manager  
Intermountain Power Service Company  
850 West Brush Wellman Road  
Delta, UT 84624

RE: Request for Information Pursuant to Section 114 of the Clean Air Act

Dear Mr. Hewlett:

The U.S. Environmental Protection Agency is requiring Intermountain Power Agency (IPA) and Intermountain Power Service Company (IPSC) to submit certain information for the Intermountain Generating Station in or near Delta, Utah, which is owned by IPA and operated by IPSC. EPA expects IPA and IPSC will coordinate this effort and submit a single response. Appendix A contains instructions and definitions that you should use to provide the requested information. Appendix B specifies the information that you must submit pertaining to your facility. You must send a response to EPA within forty-five (45) calendar days after you receive this request.

EPA is issuing this information request under Section 114(a) of the Clean Air Act (the Act), 42 U.S.C. § 7414(a). Section 114(a) authorizes the Administrator of EPA to require the submission of information. The Administrator has delegated this authority to the Assistant Regional Administrator for the Office of Enforcement, Compliance, and Environmental Justice in Region 8.

IPA (or its subsidiary) owns and IPSC (or its subsidiary) operates the Intermountain Generating Station, near Delta, Utah. EPA is requesting this information to determine whether your emission sources are complying with the Clean Air Act.

All required information for the Intermountain Power Generating Stations shall be sent to:

Office of Enforcement, Compliance, and Environmental Justice  
U.S. Environmental Protection Agency – Region 8  
1595 Wynkoop Street  
Mail Code: 8ENF-AT  
Denver, Colorado 80202-1129  
Attention: Joshua Rickard

Under 40 C.F.R. Part 2, Subpart B, you may assert a claim of business confidentiality for any portion of the submitted information. You must specify the page, paragraph, and sentence when identifying the information subject to your claim. Appendix C specifies the assertion and substantiation requirements for business confidentiality claims.

IPA must submit all requested information under an authorized signature with the following certification:

I certify under penalty of law that I have examined and am familiar with the information in the enclosed documents, including all attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are, to the best of my knowledge and belief, true and complete. I am aware that there are significant penalties for knowingly submitting false statements and information, including the possibility of fines or imprisonment pursuant to section 113(c)(2) of the Act, and 18 U.S.C. §§ 1001 and 1341.

EPA may use any information submitted in response to this request in an administrative, civil, or criminal action.

This request is not subject to the Paperwork Reduction Act, 44 U.S.C. § 3501 et seq., because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation. To aid in our electronic record keeping efforts, please provide your response to this request for information without staples. Paper clips and binder clips are acceptable.

Failure to comply fully with this request for information may subject Intermountain Power Agency to an enforcement action under section 113 of the Act, 42 U.S.C. § 7413.

You should direct any questions about this request for information to Joshua Rickard, Region 8, at (303) 312-6460.

Sincerely,

A handwritten signature in cursive script, appearing to read "Sharon L. Kercher".

*for* Andrew M. Gaydosh  
Assistant Regional Administrator  
Office of Enforcement, Compliance and  
Environmental Justice

## **Appendix A**

When providing the information requested in Appendix B, use the following instructions and definitions.

### **INSTRUCTIONS**

1. Provide a separate narrative response to each question and subpart of a question set forth in the Information Request.
2. Precede each answer with the number of the question to which it corresponds and at the end of each answer identify the person(s) that provided information that was used or considered in responding to that question, as well as each person that was consulted in the preparation of that response.
3. Indicate on each document produced in response to this Information Request, or in some other reasonable manner, the number of the question to which it corresponds.
4. When a response is provided in the form of a number, specify the units of measure of the number in a precise manner.
5. Where documents or information necessary for a response are neither in your possession nor available to you, indicate in your response why such documents or information is not available or in your possession and identify any source that either possesses or is likely to possess such information.

### **DEFINITIONS**

All terms used in this Request for Information will have their ordinary meaning unless such terms are defined in the Clean Air Act (the Act), 42 U.S.C. §§ 7401 *et. seq.*, 40 C.F.R. Part 52 (which incorporates the Federally-approved Stated Implementation Plan), or other Clean Air Act implementing regulations. Reference is made to the EPA regulatory provisions only; however, you should apply the applicable Federally-approved state provisions when appropriate. Definitional clarification is specified below.

1. The term “capital expenditure,” “capital appropriation,” or “capital project” means a monetary expenditure on depreciable equipment, including any costs to design, engineer, transport, and install said equipment.
2. The term “continuous emissions monitoring system,” or “CEMS,” means the total equipment, required under the emission monitoring sections in applicable subparts, used to sample and condition (if applicable), to analyze, and to provide a permanent record of emissions or process parameters.
3. The terms “document” and “documents” shall mean any object that records, stores, or presents information, and includes writings, memoranda, records, or information of any

kind, formal or informal, whether wholly or partially handwritten or typed, whether in computer format, memory, or storage device, or in hardcopy, including any form or format of these. If in computer format or memory, each such document shall be provided in translation to a form useable and readable by EPA, with all necessary documentation and support. All documents in hard copy should also include attachments to or enclosures with any document.

4. The term "capital appropriation request" shall mean the document used by plant personnel in seeking management approval for planned capital expenditures at the facility. These documents are also known as authorizations for expenditure, capital requests or other, similar names.
5. The terms "relate to" or "pertain to" (or any form thereof) shall mean constituting, reflecting, representing, supporting, contradicting, referring to, stating, describing, recording, noting, embodying, containing, mentioning, studying, analyzing, discussing, evaluating or relevant to.
6. The terms "Intermountain Power Agency" and "IPA" shall mean Intermountain Power Agency, and all subsidiaries and related entities.
7. The terms "Intermountain Power Service Corporation" and "IPSC" shall mean Intermountain Power Service Corporation, and all subsidiaries and related entities.
8. The term "coal-fired generating unit" shall mean all equipment used for the purpose of generating steam or electricity including but not limited to coal handling facilities, boilers, ductwork, stacks, turbines, generators, and all ancillary equipment.
9. The term "MW-hr" shall mean megawatt hours of electrical energy.
10. The term "KW-hr" shall mean kilowatt hours of electrical energy.
11. The term "Btu" shall mean the British thermal unit of heat.
12. The term "capacity factor" shall mean the percentage of total gross megawatts hours produced by the coal-fired boiler compared to the total amount of megawatts hours that could have been produced at 100% equivalent availability factor for a given time period. Specify the maximum gross megawatt value used in calculating capacity factor.
13. The term "equivalent availability factor" shall mean the percentage of gross megawatt hours the coal-fired boiler was actually mechanically available to generate electricity in any amount compared to the maximum amount of gross megawatt hours the unit would theoretically be able to produce for a given time period without any mechanical restrictions (forced outage or deratings) to the existing coal-fired boiler. Specify the maximum gross megawatt value used in calculating equivalent availability factor.

## Appendix B

Provide the following information using the instructions and definitions provided in Appendix B. A response must be sent to EPA within forty-five (45) calendar days after IPA and IPSC receives this request. Unless specifically stated, each item in this request covers the Intermountain Power Generating Station.

1. For each coal-fired generating unit at this facility, provide:
  - a. the emission unit identification number;
  - b. the date or year commercial operation began;
  - c. the original design capacity (megawatts gross, MWg/net generating capacity, MWn);
  - d. current gross and net generating capacity (MWg/MWn);
  - e. the original design and current maximum heat input capacity (mmBtu/hr);
  - f. the original design and current steam flow output capacity (lbs steam/hr);
  - g. the current operating status of each unit and, for any unit retired or inactive, the applicable date or year;
  - h. scheduled or planned boiler retirement dates;
  - i. current fuel(s) being fired;
  - j. type of particulate emissions control and year installed;
  - k. type of sulfur dioxide emissions control and year installed;
  - l. type of nitrogen oxides emissions control and year installed; and
  - m. all anticipated emission controls and estimated dates of installation.
2. For each coal-fired generating unit at this facility where the heat input, steam flow, or generating capacity increased from the original design, provide the dates such increases occurred and the projects (including a short project description) occurred associated with the such increases.
3. For all currently active coal-fired generating units at this facility, provide the following on a monthly and annual basis from January 1, 1980, or the date of startup of the unit, whichever is later, to the date of this request:
  - a. the capacity factor;
  - b. the equivalent availability factor;
  - c. total gross and net generation (MW-hr);
  - d. average heat rate (Btu/KW-hr);
  - e. coal consumption (tons);
  - f. operating hours; and
  - g. fuel quality (e.g., % sulfur, % ash, and heat content).

To the extent available, please provide in computer readable format, such as a Microsoft Excel spreadsheet or other accessible format:

4. Provide a summary of the maximum hourly heat input (mmBtu/hr) actually achieved during each month of operation for each coal-fired generating unit at this facility from January 1, 1980, or the date of startup of the unit, whichever is later, to the date of this request.
5. For each coal fired boiler at this facility, provide in an electronic format (Microsoft Excel compatible), emissions data for NO<sub>x</sub>, SO<sub>2</sub>, CO, PM, and PM<sub>10</sub> in both lb/MMBtu and tons/year, from January 1, 1990 to the present. In addition, provide in an electronic format (Microsoft Excel compatible), daily and monthly emissions data (in lb/MMBtu, lb/day, and tons/month) for pollutants listed above measured by a continuous emissions monitoring systems (CEMS) from January 1, 1990 (or earliest date the CEMS was certified if after 1990) to the present.
6. For all coal-fired generating units at this facility, provide a list of all capital projects of an amount greater than \$100,000 approved or completed between January 1, 1990, and the date of this request. For each such capital project, identify the work performed, the date (month and year) the work was completed or projected to be completed, the project work order number and the dollar amount approved and/or expended.
7. For any capital project identified in Item 6, above, that involved the replacement or partial replacement of boiler tubes, boiler walls, burners, economizers, reheaters, pulverizers, superheaters, primary air fans, induced draft fans, steam lines, or turbine components, also provide the a copy of all documents related to and including the following:
  - a. all associated capital appropriation requests and approvals;
  - b. outage reports;
  - c. total project cost, including all cost incurred by other owners and/or operators;
  - d. the project completion date;
  - e. the date the unit returned to commercial operation following completion of the capital project, including in-service reports;
  - f. equipment specifications;
  - g. cost/benefit analyses;
  - h. all alternative options analyses;
  - i. a copy of all emissions calculations performed before and after the capital project was completed;
  - j. all engineering analyses and/or performance test/s showing original as-built performance and performance for the period immediately prior to and immediately following completion of each capital project;
  - k. all evaluation conducted to verify pre- and post- completion performance of the capital project under any equipment vendor guarantee;
  - l. all work order and work request project completion reports;
  - m. all associated purchase orders;
  - n. state whether the capital improvement was associated with a life extension project, capacity increase, efficiency enhancement, or reliability improvement; and

- o. provide a copy of all engineering analyses, correspondence, memoranda, telephone discussion summaries and any other communication, including but not limited to Board of Directors reports, meeting minutes, and annual reports, that describe the benefits, provides justification for, or otherwise explains the nature, extent, cost and frequency of each capital project. This request includes all communications both before and after the capital project was undertaken.
- 8. For each coal-fired generating unit at this facility, provide an electronic (Microsoft Excel compatible) copy of all Generating Availability Data System (GADS) data (or equivalent) for the period from January 1, 1980, or the date of startup of the unit, whichever is later, to the date of this request. This information should include:
  - a. lost generation as a result of forced, maintenance, or scheduled outages (in MW-hr);
  - b. duration (in hours) of all outages, deratings, and curtailments;
  - c. start date and time of outage;
  - a. end date and time of outage;
  - b. NERC cause code;
  - c. event type;
  - d. event number; and
  - e. Maximum Net Dependable Capacity (NDC) at the time of the outage or derate.
- 9. Provide copies of the summary results pages of all stack tests for particulate matter (PM), sulfur dioxide (SO<sub>2</sub>), sulfuric acid mist (SO<sub>3</sub>/H<sub>2</sub>SO<sub>4</sub>), and nitrogen oxides (NO<sub>x</sub>) for the period January 1, 1980, or the date of startup of the unit, whichever is later, to present for all currently active coal-fired generating units at this facility. You may exclude the summary result for any SO<sub>2</sub> and NO<sub>x</sub> performance tests used to certify or quality assure the acid rain CEMS after 1995.
- 10. For each coal-fired generating unit at this facility, provide copies of all Prevention of Significant Deterioration (PSD)/ New Source Review (NSR) permits received and permit applications submitted for the period 1975 to the date of this request.
- 11. For each coal-fired generating unit at this facility, provide copies of all documents, including reports, correspondence, memoranda, and phone discussion summaries, related to PSD, NSR, or New Source Performance Standards (NSPS) applicability for any new construction or modification undertaken between 1975 and the date of this request.
- 12. For each coal-fired generating unit at this facility, provide copies of all documents, including studies, evaluations, assessments, and reports related to extending the life of, optimizing, or increasing the reliability of any generating unit for the period from January 1, 1980, or the date of startup of the unit, whichever is later, to the date of this request.
- 13. For each coal-fired generating unit at this facility, provide copies of original design and current boiler cross-sectional diagrams.



14. For each performance test conducted for the purpose of determining the operational rating for each operating unit, provide:
  - a. the day and hour of the capacity test with any relevant testing protocol specified by the power pool operator;
  - b. the standard operating procedure, or equivalent document, for the performance of the capacity tests. This would include the procedures, specifications, conditions, and other parameters under which the representativeness and accuracy of the tests are determined;
  - c. all results of capacity tests including the condition (e.g. valve wide open), steam flow and coal used;
  - d. a description of all equipment limitations or other limiting factors that restricted capacity; and
  - e. the information in a-d for any other capacity tests not otherwise provided above, irrespective of whether required by rule or conducted for any other purpose including short tests, and
15. Provide a list of the entities that have owned this facility since January 1, 1980.
16. Provide copies of all excess emission reports and Title V deviation reports for this facility from 2005 to the date of this request.
17. Provide copy of all construction permits (not provided above) for the Intermountain Generating Station.

## Appendix C

### Confidential Business Information (CBI) Assertion and Substantiation Requirements

#### B. Assertion Requirements

You may assert a business confidentiality claim covering all or part of the information requested in the attached letter, as provided in 40 C.F.R. § 2.203(b). To make a confidentiality claim, submit the requested information and indicate that you are making a claim of confidentiality. Any document over which you make a claim of confidentiality should be marked by attaching a cover sheet stamped or typed with a legend to indicate the intent to claim confidentiality. The stamped or typed legend, or other suitable form of notice, should employ language such as "trade secret" or "proprietary" or "company confidential" and indicate a date if any when the information should no longer be treated as confidential. Information covered by such a claim will be disclosed by the U.S. Environmental Protection Agency only to the extent permitted and by means of the procedures set forth by Section 114(c) of the Clean Air Act (the Act), and 40 C.F.R. Part 2. Allegedly confidential portions of otherwise non-confidential documents should be clearly identified. EPA will construe the failure to furnish a confidentiality claim with your response to the attached letter as a waiver of that claim, and the information may be made available to the public without further notice to you.

Please segregate personnel, medical and similar files from your responses and include that information on separate sheet(s) marked as "Personal Privacy Information" given that disclosure of such information to the general public may constitute an invasion of privacy.

#### C. Substantiation Requirements

All confidentiality claims are subject to EPA verification and must be made in accordance with 40 C.F.R. § 2.208 which provides in part that you satisfactorily show that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so; and that the information is not and has not been reasonably obtainable by legitimate means without your consent.

Pursuant to 40 C.F.R. Part 2, Subpart B, EPA may at any time send you a letter asking you to substantiate fully your CBI claim. If you receive such a letter, you must provide EPA with a response within the number of days set forth in the EPA request letter. Failure to submit your comments within that time would be regarded as a waiver of your confidentiality claim or claims, and EPA may release the information. If you receive such a letter, EPA will ask you to specify which portions of the information you consider confidential. **You must be specific by page, paragraph, and sentence when identifying the information subject to your claim.** Any information not specifically identified as subject to a confidentiality claim may be disclosed to the requestor without further notice to you. For each item or class of information that you identify as being subject to CBI, you must answer the following questions, giving as much detail as possible:

1. For what period of time do you request that the information be maintained as confidential, e.g., until a certain date, until the occurrence of a specified event, or permanently? If the occurrence of a specific event will eliminate the need for confidentiality, please specify that event.
2. Information submitted to EPA becomes stale over time. Why should the information you claim as confidential be protected for the time period specified in your answer to question #1?
3. What measures have you taken to protect the information claimed as confidential? Have you disclosed the information to anyone other than a governmental body or someone who is bound by an agreement not to disclose the information further? If so, why should the information still be considered confidential?
4. Is the information contained in any publicly available material such as the Internet, publicly available databases, promotional publications, annual reports, or articles? Is there any means by which a member of the public could obtain access to the information? Is the information of a kind that you would customarily not release to the public?
5. Has any governmental body made a determination as to the confidentiality of the information? If so, please attach a copy of the determination.
6. For each category of information claimed as confidential, explain with specificity why release of the information is likely to cause substantial harm to your competitive position. Explain the specific nature of those harmful effects, why they should be viewed as substantial, and the causal relationship between disclosure and such harmful effects. How could your competitors make use of this information to your detriment?
7. Do you assert that the information is submitted on a voluntary or a mandatory basis? Please explain the reason for your assertion. If you assert that the information is voluntarily submitted information, explain whether and why disclosure of the information would tend to lessen the availability to EPA of similar information in the future.
8. Any other issue you deem relevant.

Please note that emission data provided under Section 114 of the Act, 42 U.S.C. § 7414, is not entitled to confidential treatment under 40 C.F.R. Part 2. "Emission data" means, with reference to any source of emission of any substance into the air-

Information necessary to determine the identity, amount, frequency, concentration, or other characteristics (to the extent related to air quality) of any emission which has been emitted by the source (or of any pollutant resulting from any emission by the source), or any combination of the foregoing;

Information necessary to determine the identity, amount, frequency, concentration, or other characteristics (to the extent related to air quality) of the emissions which, under an applicable standard or limitation, the source was authorized to emit (including, to the extent necessary for such purposes, a description of the manner and rate of operation of the source); and

A general description of the location and/or nature of the source to the extent necessary to identify the source and to distinguish it from other sources (including, to the extent necessary for such purposes, a description of the device, installation, or operation constituting the source).

40 C.F.R. §§ 2.301(a)(2)(i)(A), (B) and (C).

Emission data includes, but is not limited to, service records stating the amount of refrigerant added to a unit or reclaimed from a unit.

If you receive a request for a substantiation letter from the EPA, you bear the burden of substantiating your confidentiality claim. Conclusory allegations will be given little or no weight in the determination. In substantiating your CBI claim(s), you must bracket all text so claimed and mark it "CBI." Information so designated will be disclosed by EPA only to the extent allowed by, and by means of the procedures set forth in, 40 C.F.R. Part 2, Subpart B. If you fail to claim the information as confidential, it may be made available to the public without further notice to you.